



100-148 233

Express Mail, #RB902053812US
Deposited on December 4, 1992

PATENT
DOCKET NO. 20809

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U. S. Patent No. 5,050,013
September 17, 1991

JL
#9

PATENTEE: Steven V. Holsinger)
Group Art Unit 233
SERIAL NO.: 07/519,497)
FILED: May 4, 1990)
FOR: HARD SECTORING CIRCUITS AND)
METHOD FOR A ROTATING DISK)
DATA STORAGE DEVICE)
Date: December 4, 1992

APPROVED

JAN 21 1993
B J

REQUEST FOR CERTIFICATE OF CORRECTION

RECEIVED

To the Commissioner of Patents and Trademarks
Washington, D.C. 20231

DEC 14 1992

GROUP 2300

Sir:

Pursuant to the provisions of 37 C.F.R. §1.322(a), Applicant hereby requests that a Certificate of Correction be granted to correct printing errors made by the Patent and Trademark Office as follows:

Column 9, line 54, delete "path 98 and 100" and substitute therefor --paths 98 and 100-- as it appears on page 25, line 4 of the original patent application;

Column 23, line 55, delete "accumualtion" and substitute therefor --accumulation-- as it appears on page 64, line 1 of the original patent application;

No fee is required to correct the foregoing errors.

Pursuant to the provisions of 37 C.F.R. §1.323, patentee requests correction of the following errors, made by patentee in the application as filed:

DS20023 02/08/93 5050013

-1-

13-0110 020 145

100.00CH

Column 6, line 34, delete "inactive low' " and substitute therefor --"inactive low"-- as it should have appeared on page 16, line 2 of the original patent application;

Column 23, line 53, delete "the the inverter" and substitute therefor --the inverter-- as it should have appeared on page 63, line 24 of the original patent application;

Column 26, line 9, delete "the the rise" and substitute therefor --the rise-- as it should have appeared on page 70, lines 15 and 16 of the original patent application;

Column 28, line 50, delete "accumulation clock" and substitute therefor --accumulator clock-- as it appeared on page 77, line 20 in Claim 3 of the original patent application and as it should have appeared in the Amendment filed 2/1/91 in response to Paper No. 3 Mailed 11/1/90; and

Column 29, line 12, delete "accumulation clock" and substitute therefor --accumulator clock-- as it should have appeared in Claim 7 in the Amendment filed 2/1/91 in response to Paper No. 3 Mailed 11/1/90.

Duplicate copies of Form PTO-1050 and our check in the amount of \$100.00 in payment of the required fee for correction of the errors made by patentee are enclosed.

Respectfully submitted,

By: 

Bill D. McCarthy, Reg. No. 26,772
McCARTHY & ASSOCIATES, INC.
101 Park Avenue - Suite 250
Oklahoma City, Oklahoma 73102
Telephone: (405) 232-5600
Attorney for Patentee



LAW OFFICES
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101 PARK AVENUE
SUITE 250
OKLAHOMA CITY, OKLAHOMA 73102
(405) 232-5600
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9200
9/17/92
115

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BILL D. MCCARTHY
GLEN M. BURDICK
NICHOLAS D. ROUSE

OF COUNSEL
LOUIS W. WATSON

December 4, 1992

FAX NO.
(405) 232-5635

Commissioner of Patents and Trademarks
Washington, D.C. 20231

DEC 14 1992

Re: U.S. Patent No. 5,050,013 (USSN 07/519,497)
Issued: September 17, 1991 (Filed May 4, 1990)
Patentee: Steven V. Holsinger
Entitled: HARD SECTORING CIRCUIT AND METHOD
FOR A ROTATING DISK DATA STORAGE
DEVICE
Art Unit: 233
Examiner: S. Garland
Our Docket 20809

Sir:

Enclosed herewith for filing in the above-identified case are a Request for Certificate of Correction, Form PTO-1050 (in duplicate), and our check in the amount of \$100.00 for the appropriate fee. Also enclosed is a return-addressed postcard.

The foregoing are being deposited with United States Postal Service as Express Mail, Receipt No. RB902053812US, on December 4, 1992.

The Commissioner is hereby authorized to credit any overpayment or charge any additional fees concerning the Certificate of Correction to Deposit Account No. 13-0110. A duplicate of this sheet is enclosed.

If there are any questions concerning this matter, please advise accordingly.

Yours very truly,

Bill D. McCarthy
Registration No. 26,772

BDM/mlf
Enclosures



LAW OFFICES
McCARTHY & ASSOCIATES, INC.
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SUITE 250
OKLAHOMA CITY, OKLAHOMA 73102
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BILL D. McCARTHY
GLEN M. BURDICK
NICHOLAS D. ROUSE

OF COUNSEL
LOUIS W. WATSON

June 20, 1991

FAX NO.
(405) 232-5635

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Re: Applicant: Steven V. Holsinger
Serial No.: 07/519,497
Filed: May 4, 1990
For: HARD SECTORING CIRCUIT AND METHOD
FOR A ROTATING DISK DATA STORAGE
Group Art Unit: 233
Examiner: S. Garland
Notice of Allowability Mailed 3/20/91 (Batch N93)
Our Docket: 20809

Sir:

Enclosed herewith are the following documents for payment of the issue fees for the above-referenced application:

1. PTOL-85B in duplicate.
2. Issue Fee check in the amount of \$1050.00.
3. Check in the amount of \$15.00 for advance copies.
4. Certificate of Express Mail, Receipt No. RB621578100US.
5. Transmittal of New Drawing(s) to Correct Informalities within Three Month Period of Response Set in Notice of Allowability (PTOL 37) together with original drawings (together with 3 original drawings).
6. Extension of Time Request together with a check for \$100.00 for Extension fee.
7. Acknowledgment postcard.

In response to the drawing requirements of PTOL-37, Notice of Allowability mailed on March 20, 1991, enclosed is the Transmittal of New Drawing(s) to Correct Informalities within Three Month Period of Response Set in Notice of Allowability (PTOL 37) together with three (3) original drawings. To provide adequate

Commissioner of Patents and Trademarks
June 20, 1991
Our Docket No. 20809
Page 2

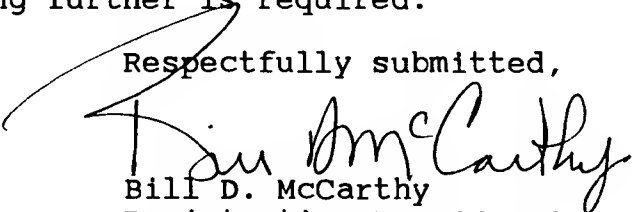
time for approval of the newly filed drawings, we are requesting a one month extension of time.

You are hereby authorized to charge any additional required fees or expenses to Deposit Account No. 13-0110. Additional copies of this authorization are enclosed.

A Change of Attorney's Address in Application/Patent was submitted with the Amendment filed in the Patent Office on November 16, 1990 (a copy enclosed).

Please advise if anything further is required.

Respectfully submitted,


Bill D. McCarthy
Registration No. 26,772

BDM/mlf
Enclosures



COPY

PATENT APPLICATION
Docket 20809

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven V. Holsinger) Group Art Unit: 235
Serial No.: 07/519,497) Examiner: S. Garland
Filed: May 4, 1990) Response to Paper No. 3
For: HARD SECTORING CIRCUIT AND) Mailed 11/1/90
METHOD FOR A ROTATING DISK)
DATA STORAGE DEVICE) Date: February 1, 1991

CHANGE OF ATTORNEY'S ADDRESS IN APPLICATION

To the Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Please send all correspondence for this application as follows:

Bill D. McCarthy
McCARTHY & ASSOCIATES, INC.
101 Park Avenue - Suite 250
Oklahoma City, OK 73102

Please direct telephone calls to Bill D. McCarthy,
(405) 232-5600 or
631-0000

Respectfully submitted,

Bill D. McCarthy
Registration No. 26,772
McCARTHY & ASSOCIATES, INC.
101 Park Avenue - Suite 250
Oklahoma City, Oklahoma 73102
Telephone: (405) 232-5600 or
(405) 631-0000

Attorney for Applicant(s)

PART B - ISSUE FEE TRANSMITTAL

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 2 through 6 should be completed where appropriate. All further correspondence including the Issue Fee Receipt, the Patent, advanced orders and notification of maintenance fees will be mailed to addressee entered in Block 1 unless you direct otherwise, by: (a) specifying a new correspondence address in Block 3 below; or (b) providing the PTO with a separate "FEE ADDRESS" for maintenance fee notifications with the payment of Issue Fee or thereafter. See reverse for Certificate of Mailing.

1. CORRESPONDENCE ADDRESS

2. INVENTOR(S) ADDRESS CHANGE (Complete only if there is a change)

INVENTOR'S NAME

Street Address

City, State and ZIP Code

CO-INVENTOR'S NAME

Street Address

City, State and ZIP Code

☐ Check if additional changes are on reverse side

SERIES CODE/SERIAL NO.

FILING DATE

TOTAL CLAIMS

EXAMINER/BOARD GROUP AND UNIT

DATE RECEIVED

01/18/92

05/04/90

015

0001000

230

01/18/91

 Title Mailed
 Mailed

HELSINGER

STEVEN M.

 TITLE OF
 INVENTION

 LOGIC SECTORING CIRCUIT AND METHOD FOR A ROTATING DISK DATA STORAGE
 DEVICE

ATTY'S DOCKET NO.

CLASS-SUBCLASS

BATCH NO.

APPLN. TYPE

SMALL ENTITY

FEE DUE

DATE PAID

000000

360-072,100

183

UTILITY

NO

\$1050.00

05/04/91

3. Further correspondence to be mailed to the following:

Bill D. McCarthy
 McCarthy & Associates, Inc.
 101 Park Avenue - Suite 250
 Oklahoma City, OK 73102

4. For printing on the patent front

page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed.

1 Edward P. Heller, III

2 Bill D. McCarthy

3 Louis W. Watson

DO NOT USE THIS SPACE

5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type)

(1) NAME OF ASSIGNEE:

Seagate Technology, Inc.

(2) ADDRESS: (City & State or Country)

Scotts Valley, California

(3) STATE OF INCORPORATION, IF ASSIGNEE IS A CORPORATION

Delaware

A. ☐ This application is NOT assigned:☒ Assignment previously submitted to the Patent and Trademark Office.
☐ Assignment is being submitted under separate cover. Assignments should be directed to Box ASSIGNMENTS.

PLEASE NOTE: Unless an assignee is identified in Block 5, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

6a. The following fees are enclosed:

☒ Issue Fee ☒ Advanced Order - # of Copies 10

\$1,050.00 \$15.00 (Minimum of 10)

6b. The following fees should be charged to:

DEPOSIT ACCOUNT NUMBER 13-0110

(Enclose Part C)

☐ Issue Fee ☐ Advanced Order - # of Copies

☒ Any Deficiencies In Enclosed Fees (Minimum of 10)

The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the Issue Fee to the application identified above.

(Signature of party in interest of record)

(Date)

Bill D. McCarthy

6/29/91

NOTE: The Issue Fee will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the Patent and Trademark Office

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Steven V. Holsinger

Serial No.: 0 7/ 519,497

Group No. 233

Filed: May 4, 1990

Examiner: S. Garland

For: HARD SECTORING CIRCUIT AND
METHOD FOR A ROTATING DISK
DATA STORAGEDate of mailing of PTOL 85 entitled "Notice of Allowance
and Base Issue Fee Due" 3/20/91Issue Batch No. N93**Commissioner of Patents and Trademarks****Washington, D.C. 20231****ATTENTION: Official Draftsman****TRANSMITTAL OF NEW DRAWING(S) TO CORRECT INFORMALITIES
WITHIN THREE MONTH PERIOD OF RESPONSE SET IN NOTICE OF
ALLOWABILITY (PTOL 37)**

Note: Applicant may correct any informalities in the drawings made by the Draftsman's objections on PTO-948 by filing new drawings with the changes incorporated therein. If the filing of the drawings are delayed until receipt of the "Notice of Allowability (PTOL-37)" the new drawings MUST be filed within the THREE MONTH shortened statutory period set for response in the "Notice of Allowability" (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

CERTIFICATE OF MAILING (37 CFR 1.8)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

(Type or print name of person mailing paper)

Date: _____

(Signature of person mailing paper)

(Transmittal of New Drawing(s) to Correct Informalities Within Three Month Period of
Response Set in Notice of Allowability (PTOL 37) [5-2.1]—page 1 of 2)

Copied from 09906308 on 05/31/2005

Note: Applicant is required to submit ACCEPTABLE corrected drawings within the three month shortened statutory period set in the "Notice of Allowability" (PTOL-37). Within that three month period, two weeks should be allowed for review by the Office of the correction. If a correction is determined to be unacceptable by the Office, applicant must arrange to have an acceptable correction re-submitted within the original three month period to avoid the necessity of obtaining an extension of time and of paying the extension fee. THEREFORE, APPLICANT SHOULD FILE CORRECTED DRAWINGS AS SOON AS POSSIBLE. Notice of January 14, 1985 (1051 O.G. 3).

SUBMISSION OF DRAWING(S)

1. To correct the informalities in the drawings as noted in the Draftsman's objection(s) on PTO-948 applicant submits herewith new drawing(s) for this application. Number of sheets of drawings submitted eleven (11) original drawings.

Note: The art unit number, serial number and number of drawing sheets should be written on the reverse side of the drawings. However, for identification of the serial number, the PTO prefers that it be placed on the front. Notice of September 5, 1986 (1070 OG 46 to 59, 54).

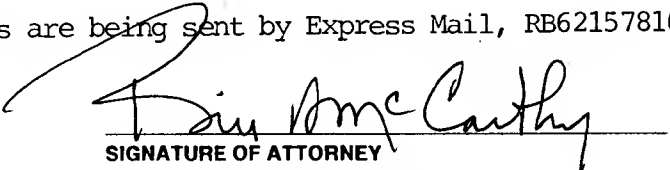
2. The three month period of response set in the Notice of Allowability (PTOL 37) expires on June 20, 1991 and this submission is on or before this expiry date.

3. An Extension of Time Request together with a check for \$100.00 is enclosed to provide adequate time for approval of the newly filed drawings.

4. The enclosed documents are being sent by Express Mail, RB621578100US on June 20, 1991.

Reg. No.: 26,772

Tel. No.: (405) 232-5600 or
(405) 631-0000


SIGNATURE OF ATTORNEY

Bill D. McCarthy

Type or print name of attorney

101 Park Avenue - Suite 250

P.O. Address

Oklahoma City, Oklahoma 73102

(Transmittal of New Drawing(s) to Correct Informalities Within Three Month Period of Response Set in Notice of Allowability (PTOL 37) [5-2.1]—page 2 of 2)



PATENT
NOTICE OF ALLOWANCE MAILED
3/20/91
Inventor: Steven V. Holsinger
S.N. 07/519,497
Batch No. N93

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven V. Holsinger	)	Group Art Unit: 233
)	
Serial No.: 07/519,497	)	Examiner: S. Garland
)	
Filed: May 4, 1990	)	Notice of Allowance Mailed
	)	3/20/91
For: HARD SECTORING CIRCUIT AND	)	Batch No. N93
METHOD FOR A ROTATING DISK)	
DATA STORAGE	)	Date: June 20, 1991

REQUEST FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

To The Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Applicant petitions the Commissioner of Patents and Trademarks for a one month extension of time from June 20, 1991 to July 20, 1991 to allow adequate time for approval of the newly filed drawings for the above referenced application.

Submitted herewith is a check for \$100.00 to cover the cost of the extension fee. Any deficiency or overpayment should be charged or credited to Deposit Account 13-0110. Additional copies of this authorization are enclosed.

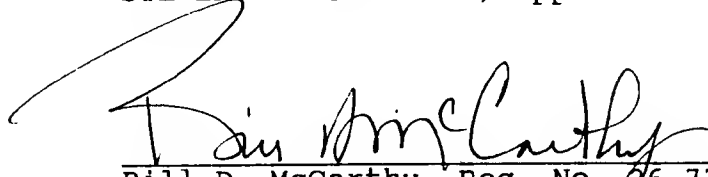
This request is being mailed with the payment of issue fees for the above application on June 20, 1991, Express Mail

RB621578100US.

Please advise if you require anything further.

Respectfully submitted,

STEVEN V. HOLSINGER, Applicant

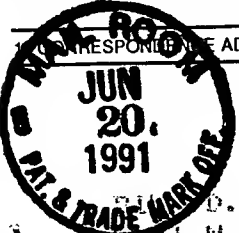


Bill D. McCarthy, Reg. No. 26,772
McCarthy & Associates, Inc.
101 Park Avenue - Suite 250
Oklahoma City, Oklahoma 73102
(405) 232-5600 or (405) 631-0000

Attorney for Applicant

PART B - ISSUE FEE TRANSMITTAL

MAILING INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 2 through 6 should be completed where appropriate. All further correspondence including the Issue Fee Receipt, the Patent, advanced orders and notification of maintenance fees will be mailed to addressee entered in Block 1 unless you direct otherwise, by: (a) specifying a new correspondence address in Block 3 below; or (b) providing the PTO with a separate "FEE ADDRESS" for maintenance fee notifications with the payment of Issue Fee or thereafter. See reverse for Certificate of Mailing.

 BILL D. MC CARTHY 101 N. W. GRAND BLVD., STE. 402 OKLAHOMA CITY, OK 73115	1. RESPONDENT'S ADDRESS	2. INVENTOR(S) ADDRESS CHANGE (Complete only if there is a change)
		INVENTOR'S NAME
		Street Address
		City, State and ZIP Code
		CO-INVENTOR'S NAME
	Street Address	
	City, State and ZIP Code	
	<input type="checkbox"/> Check if additional changes are on reverse side	

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
07/519,497	05/04/90	015	GARLAND, S	233 03/20/91
First Named Applicant	STEVEN V. HOLSTINGER			

TITLE OF INVENTION: **HARD SECTORING CIRCUIT AND METHOD FOR A ROTATING DISK DATA STORAGE DEVICE**

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
20009	360-072.100	N93	UTILITY	NO	\$1050.00	06/20/91

3. Further correspondence to be mailed to the following:
 Bill D. McCarthy
 McCarthy & Associates, Inc.
 101 Park Avenue - Suite 250
 Oklahoma City, OK 73102

4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed.

1 Edward P. Heller, III
 2 Bill D. McCarthy
 3 Louis W. Watson

DO NOT USE THIS SPACE

080 LU 06/20/91 051447

080 LU 06/20/91 051447

5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type)

(1) NAME OF ASSIGNEE:

Seagate Technology, Inc.

(2) ADDRESS: (City & State or Country)

Scotts Valley, California

(3) STATE OF INCORPORATION, IF ASSIGNEE IS A CORPORATION

Delaware

- A. ☐ This application is NOT assigned.
☒ Assignment previously submitted to the Patent and Trademark Office.
☐ Assignment is being submitted under separate cover. Assignments should be directed to Box ASSIGNMENTS.

PLEASE NOTE: Unless an assignee is identified in Block 5, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

6a. The following fees are enclosed:

☒ Issue Fee ☒ Advanced Order - # of Copies 10
 \$1,050.00 \$15.00 (Minimum of 10)

6b. The following fees should be charged to:

DEPOSIT ACCOUNT NUMBER 13-0110
 (Enclose Part C)

☐ Issue Fee ☐ Advanced Order - # of Copies _____
☒ Any Deficiencies in Enclosed Fees (Minimum of 10)

The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the Issue Fee to the application identified above.

(Signature of party in interest of record)

(Date)

Bill D. McCarthy 6/20/91
 NOTE: The Issue Fee will not be accepted from anyone other than the applicant; a registered attorney or agent; the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

COPYED FROM 09906348 CERTIFICATE OF MAILING ON REVERSE



Express Mail, #RB902053812US
Deposited on December 4, 1992

PATENT
DOCKET NO. 20809

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

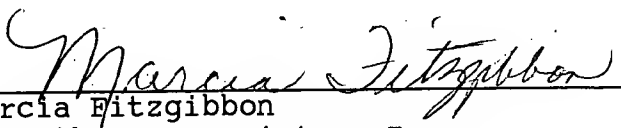
U. S. Patent No. 5,050,013
September 17, 1991

RECEIVED
DEC 14 1992
GROUP 2300

PATENTEE: Steven V. Holsinger)
) Group Art Unit 233
SERIAL NO.: 07/519,497)
) Examiner: S. Garland
FILED: May 4, 1990)
FOR: HARD SECTORING CIRCUIT AND)
METHOD FOR A ROTATING DISK)
DATA STORAGE DEVICE) Date: December 4, 1992

CERTIFICATE OF EXPRESS MAILING

I hereby certify that the attached REQUEST FOR CERTIFICATE OF CORRECTION, duplicate copies of FORM PTO-1050, Transmittal Letter, check in the amount of \$100.00, and return-addressed postcard; are being deposited with the United Postal Service as Express Mail, Receipt No. RB902053812US in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231, on December 4, 1992 by Marcia Fitzgibbon.


Marcia Fitzgibbon
McCarthy & Associates, Inc.
101 Park Avenue - Suite 250
Oklahoma City, Oklahoma 73102
(405) 232-5600

Date: December 4, 1992



PATENT
NOTICE OF ALLOWANCE MAILED
3/20/91
Inventor: Steven V. Holsinger
S.N. 07/519,497
Batch No. N93

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven V. Holsinger	)	Group Art Unit: 233
Serial No.: 07/519,497	)	Examiner: S. Garland
Filed: May 4, 1990	)	Notice of Allowance Mailed
For: HARD SECTORING CIRCUIT AND	)	3/20/91
METHOD FOR A ROTATING DISK))	Batch No. N93
DATA STORAGE)	Date: June 20, 1991

CERTIFICATE OF EXPRESS MAILING

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June 20, 1991
Date

Marcia Fitzgibbon
Marcia Fitzgibbon
McCarthy & Associates, Inc.
101 Park Avenue - Suite 250
Oklahoma City, Oklahoma 73102
(405) 232-5600 or (405) 631-0000



LAW OFFICES
McCARTHY & ASSOCIATES, INC.

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SUITE 250
OKLAHOMA CITY, OKLAHOMA 73102
(405) 232-5600
(405) 631-0000

December 4, 1992

FAX NO.
(405) 232-5635

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BILL D. McCARTHY
GLEN M. BURDICK
NICHOLAS D. ROUSE

OF COUNSEL
LOUIS W. WATSON

RECEIVED

DEC 14 1992

GROU 2200

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Re: U.S. Patent No. 5,050,013 (USSN 07/519,497)
Issued: September 17, 1991 (Filed May 4, 1990)
Patentee: Steven V. Holsinger
Entitled: HARD SECTORING CIRCUIT AND METHOD
FOR A ROTATING DISK DATA STORAGE
DEVICE
Art Unit: 233
Examiner: S. Garland
Our Docket 20809

Sir:

Enclosed herewith for filing in the above-identified case are a Request for Certificate of Correction, Form PTO-1050 (in duplicate), and our check in the amount of \$100.00 for the appropriate fee. Also enclosed is a return-addressed postcard.

The foregoing are being deposited with United States Postal Service as Express Mail, Receipt No. RB902053812US, on December 4, 1992.

The Commissioner is hereby authorized to credit any overpayment or charge any additional fees concerning the Certificate of Correction to Deposit Account No. 13-0110. A duplicate of this sheet is enclosed.

If there are any questions concerning this matter, please advise accordingly.

Yours very truly,

Bill D. McCarthy
Registration No. 26,772

BDM/mlf
Enclosures
120 ID 12/10/92 07519497

1 148 100.00 CK